

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A back light unit, comprising:

a lamp housing having a first side and a second side opposite the first side; and

a plurality of lamps respectively having a low voltage electrode and a high voltage electrode each at opposite ends of the lamp, the lamps arranged substantially parallel in the lamp housing,

wherein the plurality of low voltage electrodes of odd-numbered lamps are disposed at the first side and the plurality of high voltage electrodes of odd-numbered lamps are disposed at the second side,

wherein the plurality of high voltage electrodes of even-numbered lamps are disposed at the first side and the plurality of low voltage electrodes of even-numbered lamps are disposed at the second side,

wherein a low voltage of a first AC voltage is applied to the plurality of low voltage electrodes of odd-numbered lamps at the first side and a high voltage of the first AC voltage is applied to the plurality of high voltage electrodes of odd-numbered lamps at the second side, and

wherein a high voltage of a second AC voltage is applied to the plurality of high voltage electrodes of even-numbered lamps at the first side and a low voltage of the second AC voltage is applied to the plurality of low voltage electrodes of even-numbered lamps at the second side

~~a low voltage of an AC voltage directly supplied to the low voltage electrode of the lamp and a high voltage of the AC voltage directly supplied to the high voltage electrode of the lamp, wherein the low voltage electrode directly supplied with the low voltage and the high voltage electrode directly supplied with the high voltage at the first ends of the lamps are alternately disposed at the first side of the lamp housing, and the low voltage electrode directly supplied with the low voltage and the high voltage electrode directly supplied with the high voltage at the second ends of the lamps are alternately disposed at the second side of the lamp housing.~~

2. (Previously Presented) The back light unit according to claim 1, further comprising:

a diffusion plate located on the lamp housing; and

an optical sheet located on the diffusion plate.

3. (Currently Amended) The back light unit according to claim 1, wherein the plurality of low voltage electrode electrodes and the plurality of high voltage electrode electrodes of the lamps are respectively arranged in a zigzag fashion.

4. (Currently Amended) The back light unit according to claim 1, wherein the plurality of low voltage electrode electrodes and the plurality of high voltage electrode electrodes of the lamps are alternately arranged by N-number (where N is a positive integer more than 2) at the first side of the lamp housing.

5. (Currently Amended) A liquid crystal display, comprising:

a back light unit having a lamp housing having a first side and a second side opposite the first side, a plurality of lamps respectively having a low voltage electrode and a high voltage electrode each at opposite ends of the lamp and arranged substantially parallel in the lamp housing, a low voltage of an AC voltage directly supplied to the low voltage electrode of the lamp and a high voltage of the AC voltage directly supplied to the high voltage electrode of the lamp, wherein the low voltage electrode directly supplied with the low voltage and the high voltage electrode directly supplied with the high voltage at the first ends of the lamps are alternately disposed at the first side of the lamp housing, and the low voltage electrode directly supplied with the low voltage and the high voltage electrode directly supplied with the high voltage at the second ends of the lamps are alternately disposed at the second side of the lamp housing, a diffusion plate disposed on the lamp housing, and an optical sheet disposed on the diffusion plate; and

a liquid crystal panel disposed on the back light unit and having a plurality of liquid crystal cells arranged in a matrix form,

wherein the plurality of low voltage electrodes of odd-numbered lamps are disposed at the first side and the plurality of high voltage electrodes of odd-numbered lamps are disposed at the second side,

wherein the plurality of high voltage electrodes of even-numbered lamps are disposed at the first side and the plurality of low voltage electrodes of even-numbered lamps are disposed at

the second side,

wherein a low voltage of a first AC voltage is applied to the plurality of low voltage electrodes of odd-numbered lamps at the first side and a high voltage of the first AC voltage is applied to the plurality of high voltage electrodes of odd-numbered lamps at the second side, and
wherein a high voltage of a second AC voltage is applied to the plurality of high voltage electrodes of even-numbered lamps at the first side and a low voltage of the second AC voltage is applied to the plurality of low voltage electrodes of even-numbered lamps at the second side.

6. (Currently Amended) The liquid crystal display according to claim 5, wherein the plurality of low voltage electrode electrodes and the plurality of high voltage electrode electrodes of the lamps are respectively located in a zigzag fashion

7. (Currently Amended) The liquid crystal display according to claim 5, wherein the plurality of low voltage electrode electrodes and the plurality of high voltage electrode electrodes of the lamps are alternately arranged by N-number (where N is a positive integer more than 2) ~~at the first side of the lamp housing.~~

8. (New) A back light unit, comprising:

a lamp housing having a first side and a second side opposite the first side; and
a plurality of lamps respectively having a low voltage electrode and a high voltage electrode each at opposite ends of the lamp, the lamps arranged substantially parallel in the lamp housing,

wherein the lamps have odd-numbered N-number (where N is a positive integer more than 2) lamps and even-numbered N-number (where N is a positive integer more than 2) lamps,

wherein the plurality of low voltage electrodes of odd-numbered N-number lamps are disposed at the first side and the plurality of high voltage electrodes of odd-numbered N-number lamps are disposed at the second side,

wherein the plurality of high voltage electrodes of even-numbered N-number lamps are disposed at the first side and the plurality of low voltage electrodes of even-numbered N-number lamps are disposed at the second side,

wherein a low voltage of a first AC voltage is applied to the plurality of low voltage

electrodes of odd-numbered N-number lamps at the first side and a high voltage of the first AC voltage is applied to the plurality of high voltage electrodes of odd-numbered N-number lamps at the second side, and

wherein a high voltage of a second AC voltage is applied to the plurality of high voltage electrodes of even-numbered N-number lamps at the first side and a low voltage of the second AC voltage is applied to the plurality of low voltage electrodes of even-numbered N-number lamps at the second side.

9. (New) A liquid crystal display, comprising:

a back light unit having a lamp housing having a first side and a second side opposite the first side, a plurality of lamps respectively having a low voltage electrode and a high voltage electrode each at opposite ends of the lamp and arranged substantially parallel in the lamp housing; and

a liquid crystal panel disposed on the back light unit and having a plurality of liquid crystal cells arranged in a matrix form,

wherein the lamps have odd-numbered N-number (where N is a positive integer more than 2) lamps and even-numbered N-number (where N is a positive integer more than 2) lamps,

wherein the plurality of low voltage electrodes of odd-numbered N-number lamps are disposed at the first side and the plurality of high voltage electrodes of odd-numbered N-number lamps are disposed at the second side,

wherein the plurality of high voltage electrodes of even-numbered N-number lamps are disposed at the first side and the plurality of low voltage electrodes of even-numbered N-number lamps are disposed at the second side,

wherein a low voltage of a first AC voltage is applied to the plurality of low voltage electrodes of odd-numbered N-number lamps at the first side and a high voltage of the first AC voltage is applied to the plurality of high voltage electrodes of odd-numbered N-number lamps at the second side, and

wherein a high voltage of a second AC voltage is applied to the plurality of high voltage electrodes of even-numbered N-number lamps at the first side and a low voltage of the second AC voltage is applied to the plurality of low voltage electrodes of even-numbered N-number lamps at the second side.